

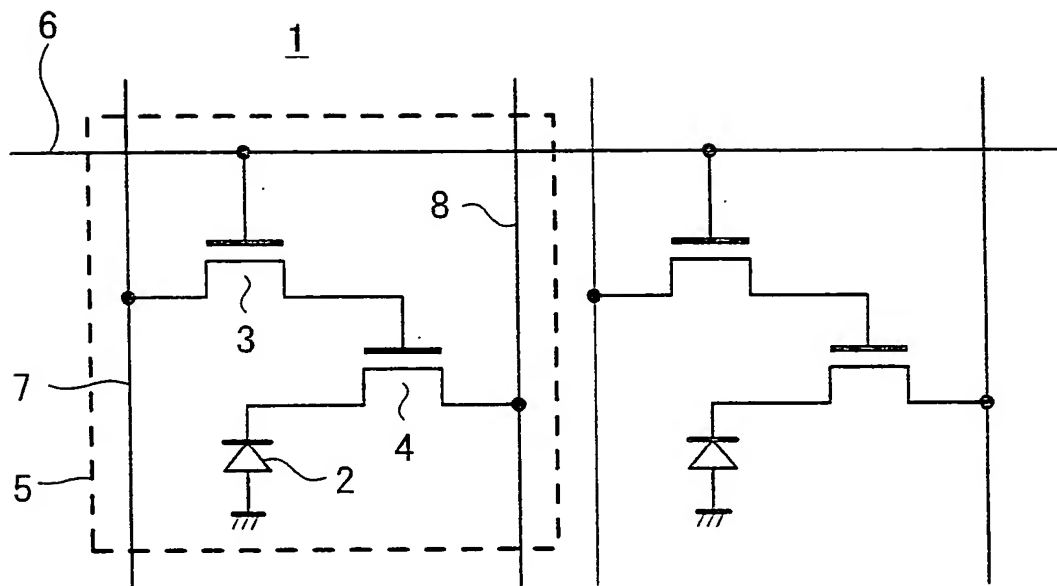
FIG. 1

FIG. 2

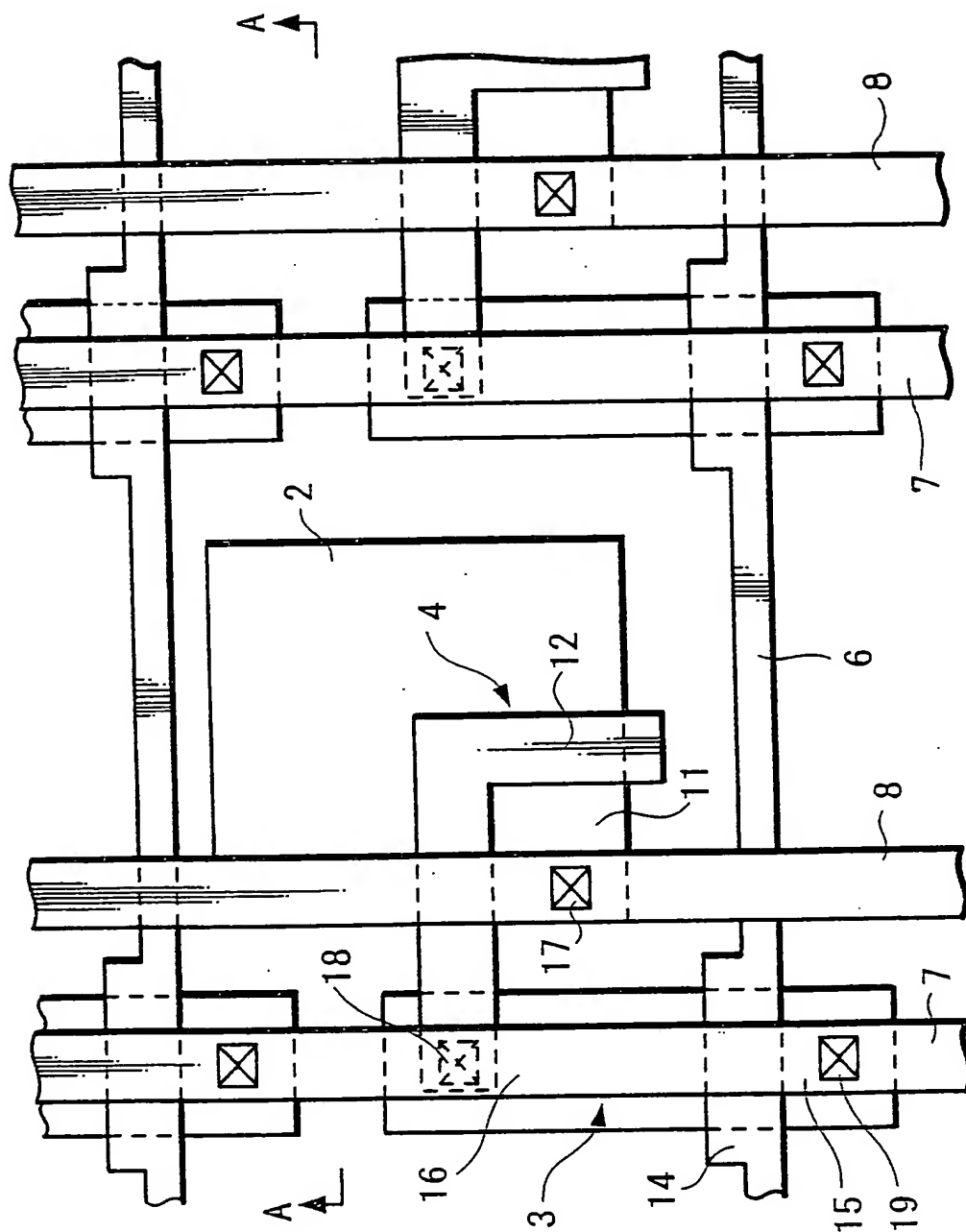


FIG. 3

FIG. 3 is a cross-sectional view of a semiconductor device. The device consists of a substrate 21 with two rectangular regions 2. Above the substrate is a layer 6 containing two horizontal dashed lines 22. Above layer 6 is a layer 7 with four rectangular blocks. Above layer 7 is a layer 24 with two semi-circular features 23. Above layer 24 is a layer 26 with two semi-circular features 25. A layer 8 is located between the semi-circular features 23 and 25. A scale bar 1 is shown in the top right corner.

FIG. 5A

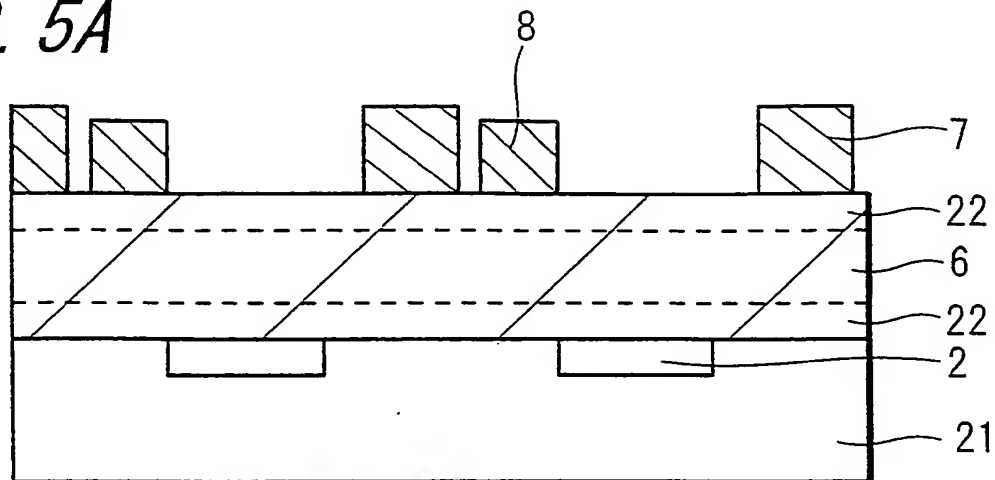


FIG. 5B

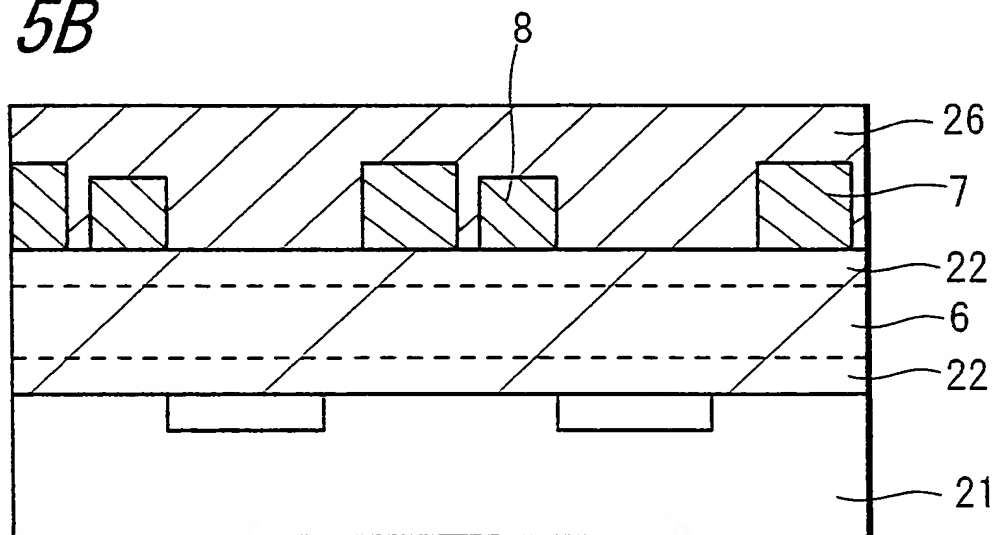


FIG. 5C

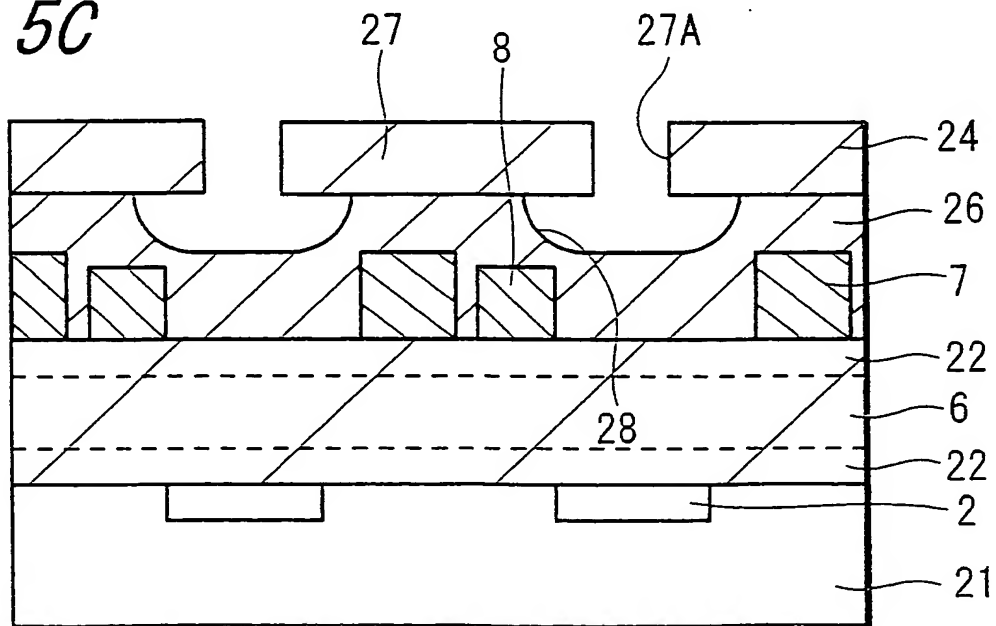


FIG. 6A

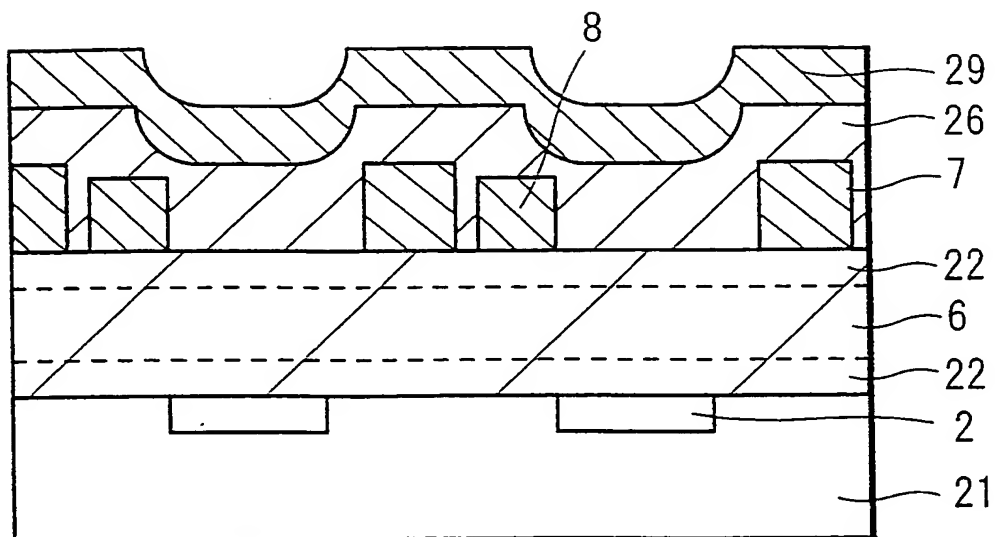


FIG. 6B

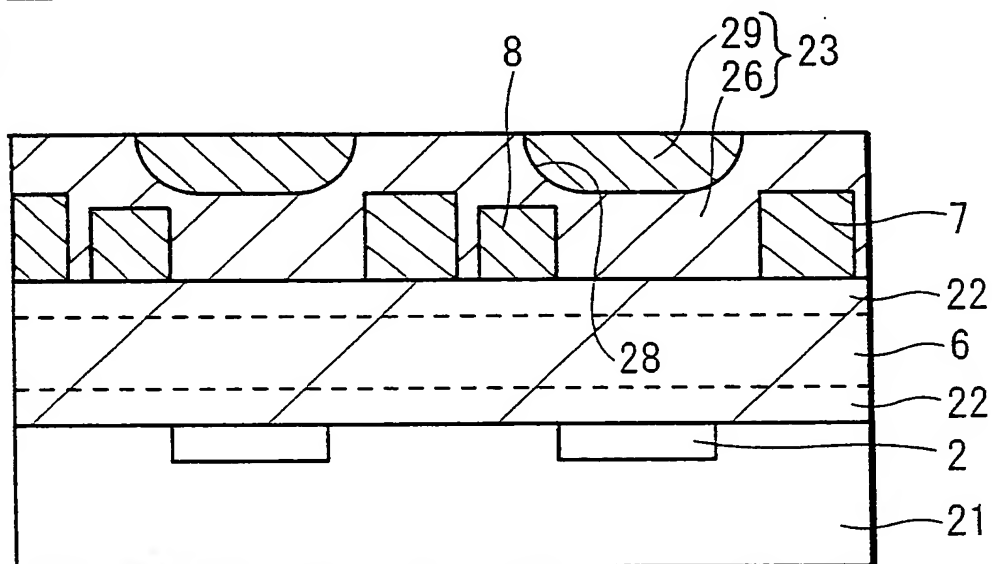


FIG. 6C

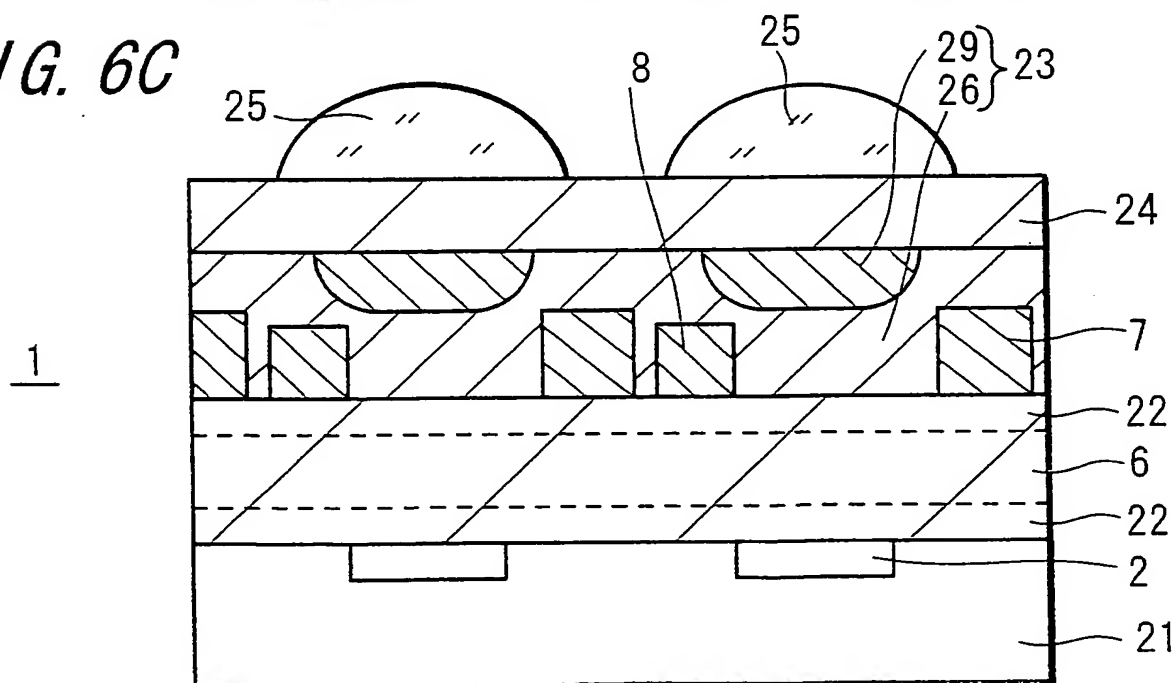


FIG. 7A

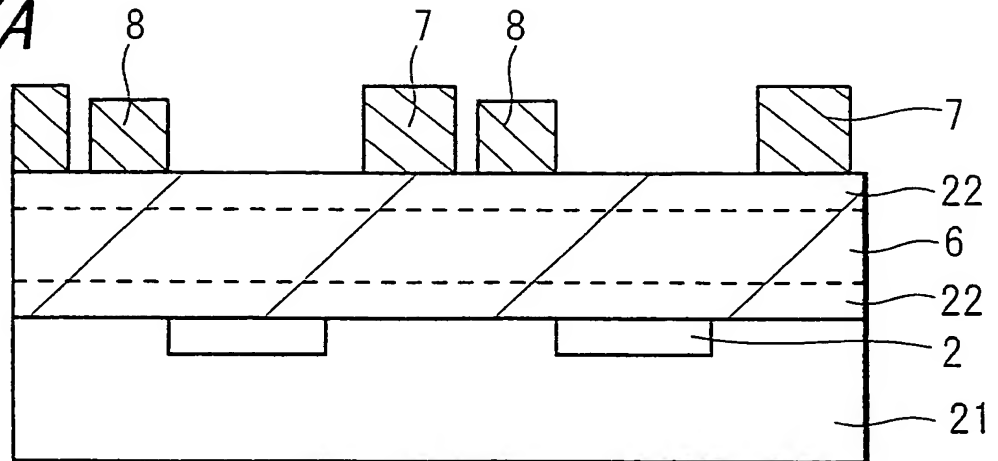


FIG. 7B

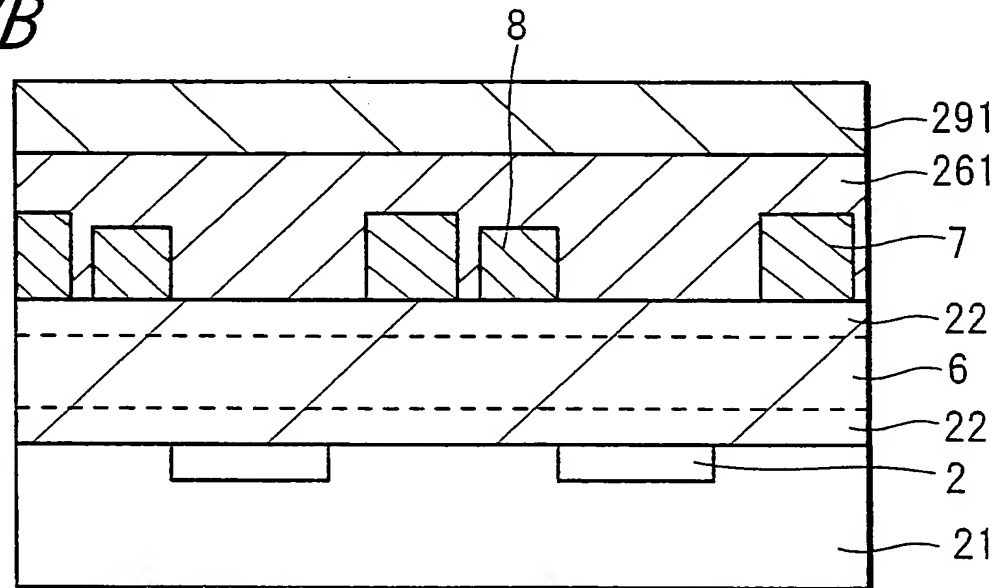


FIG. 7C

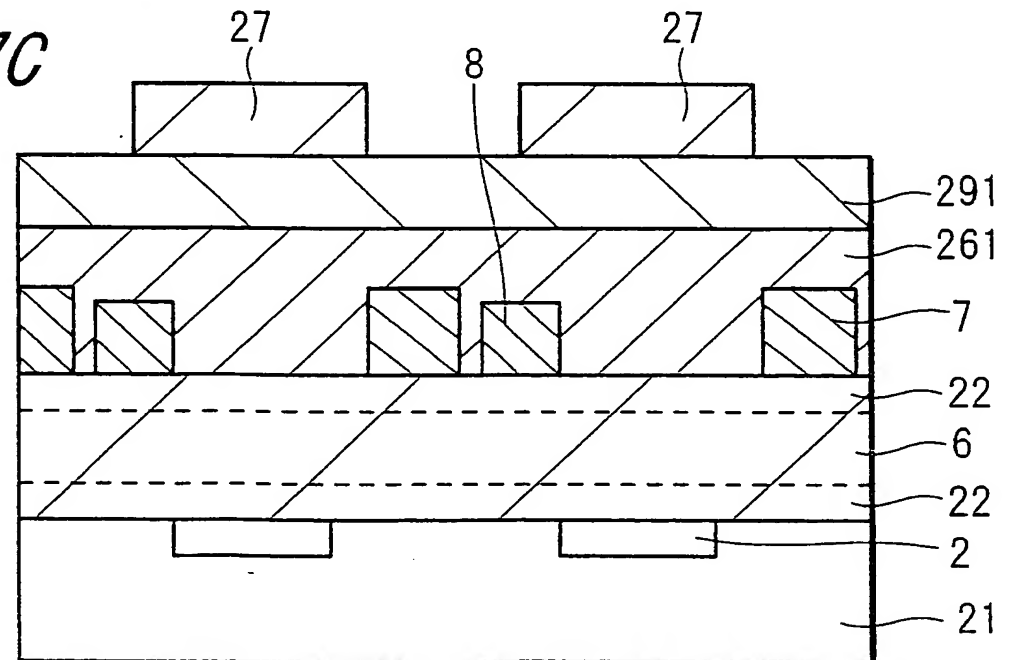


FIG. 8A

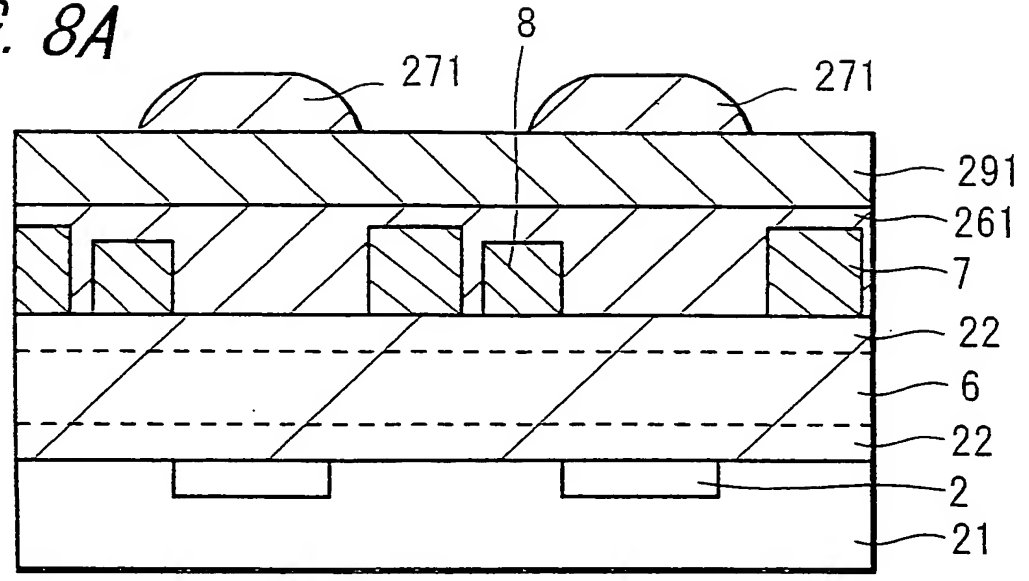


FIG. 8B

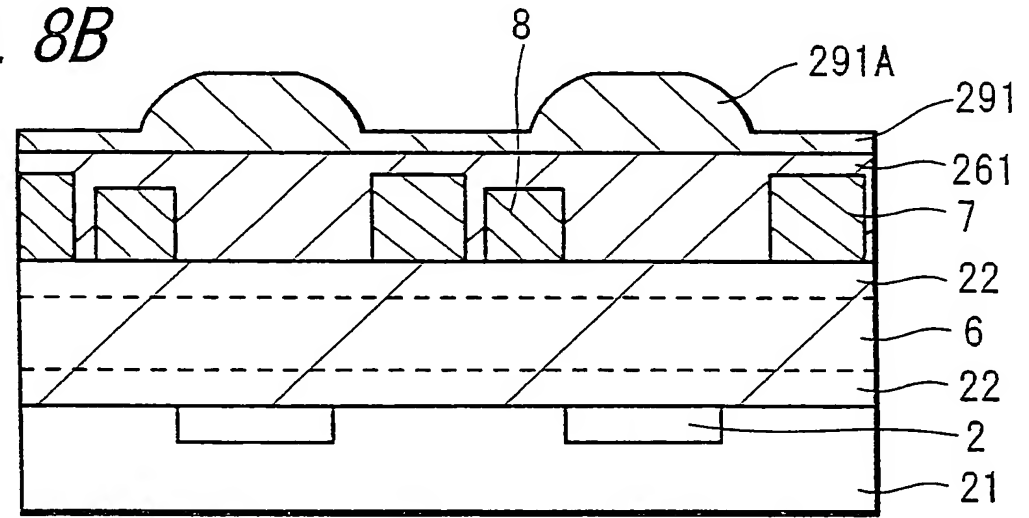


FIG. 8C

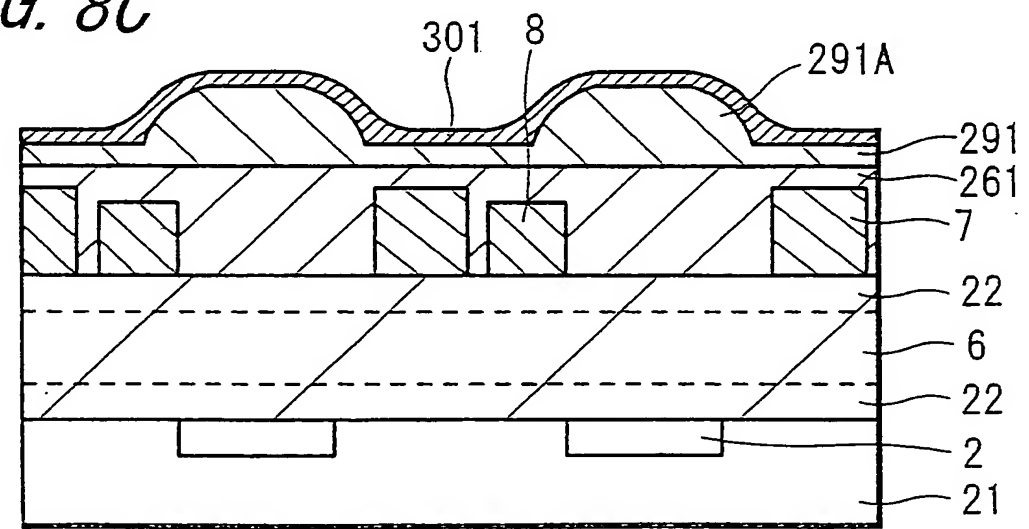


FIG. 9A

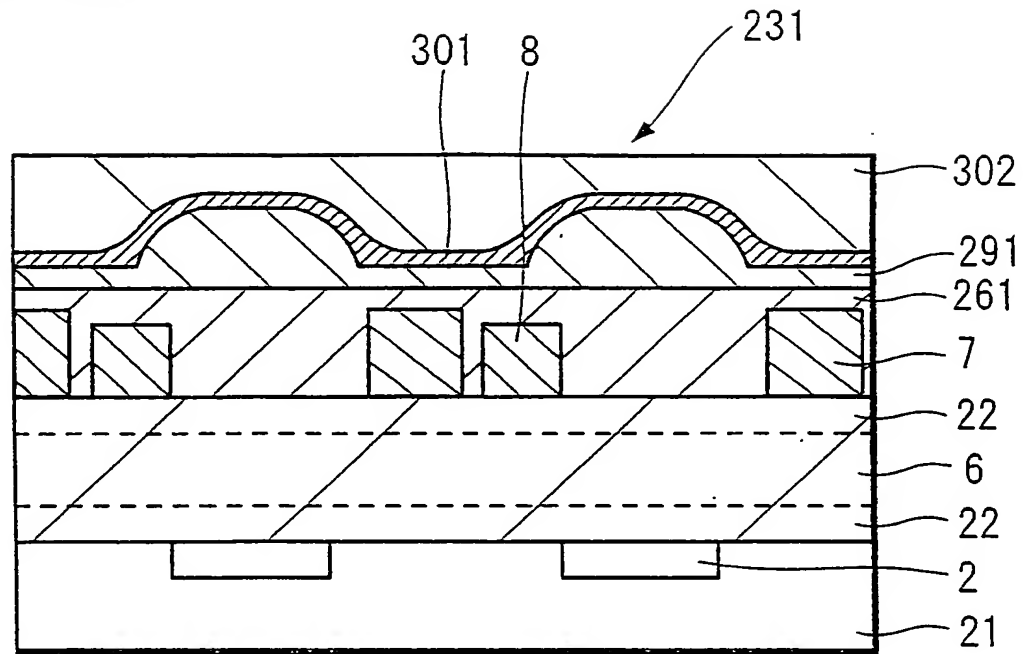


FIG. 9B

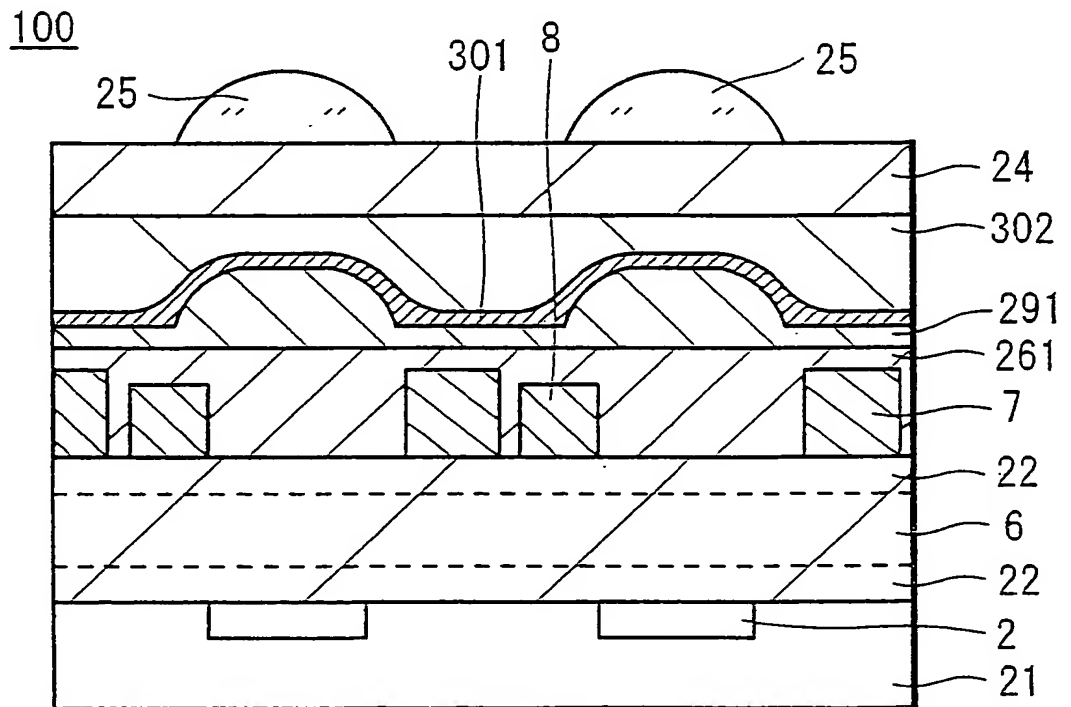


FIG. 10

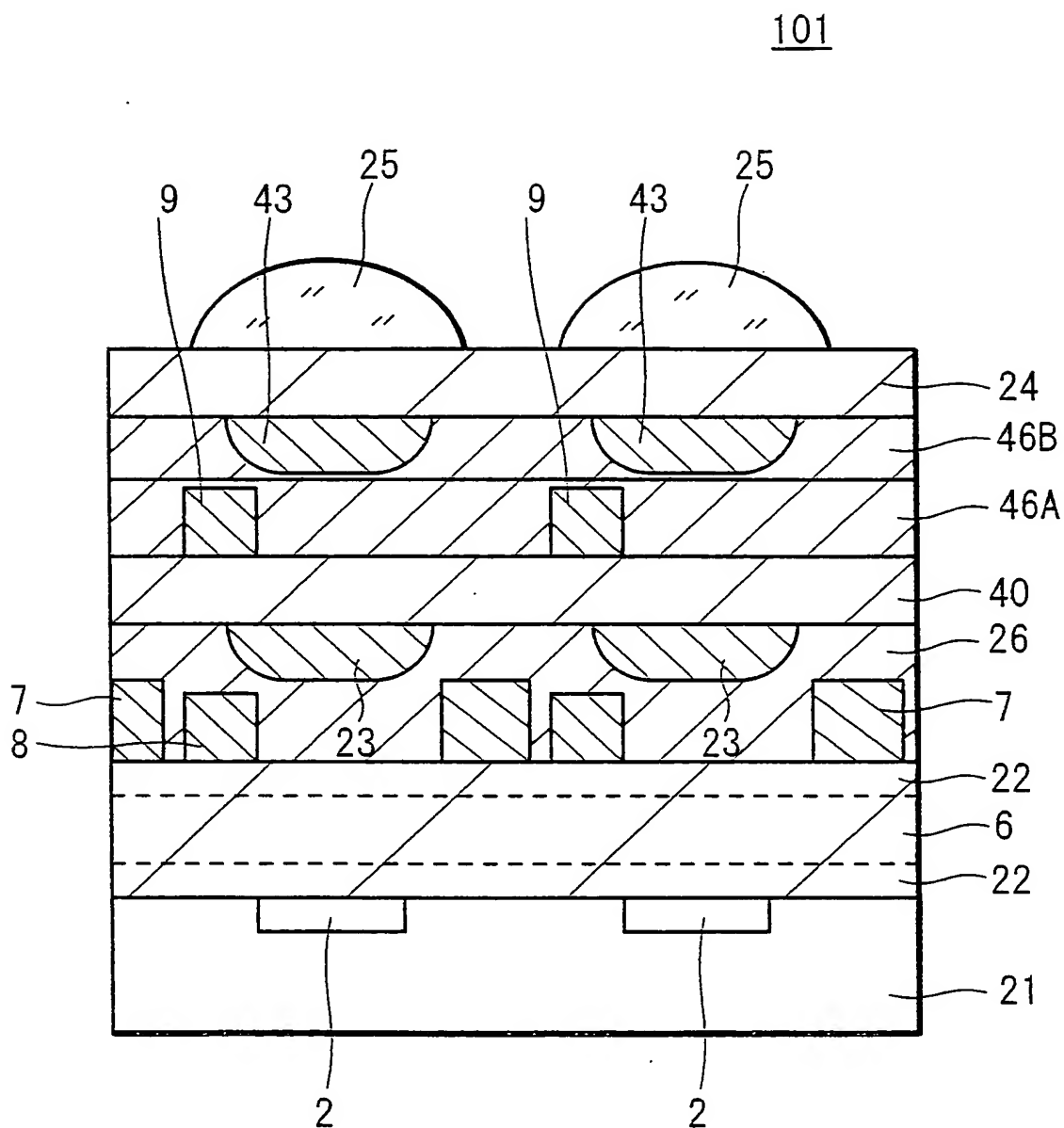


FIG. 11A

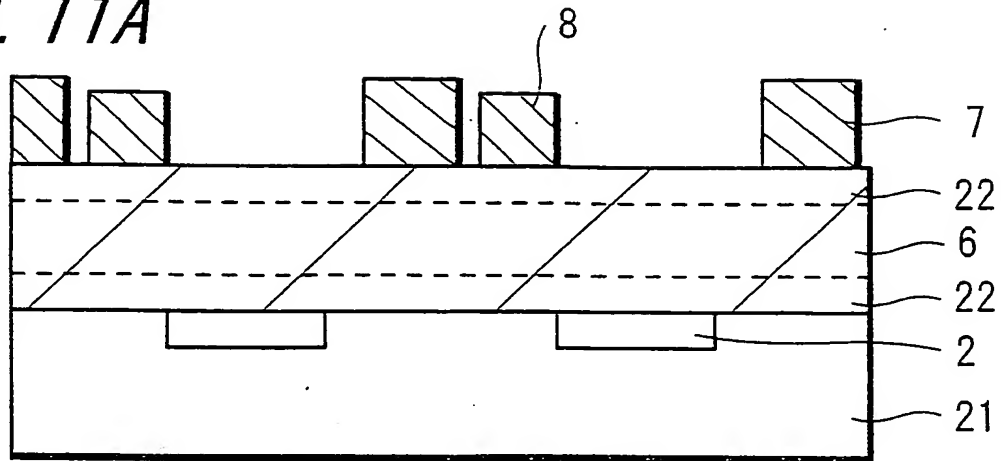


FIG. 11B

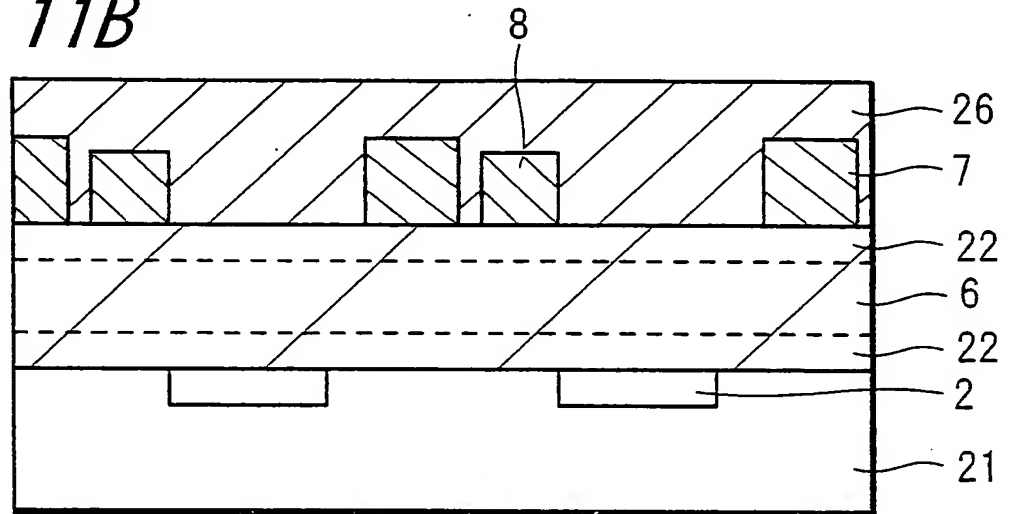


FIG. 11C

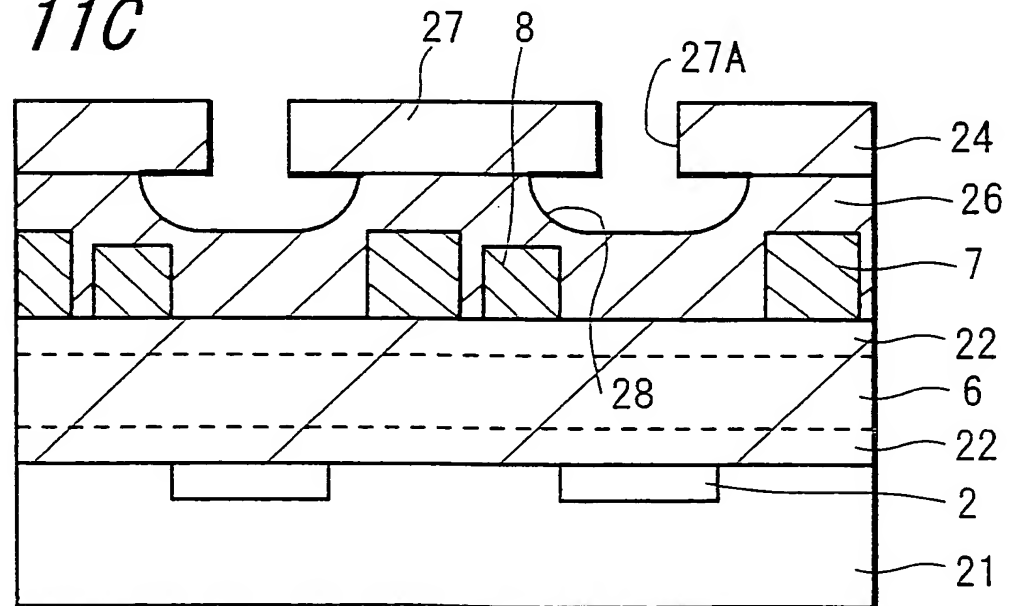


FIG. 12A

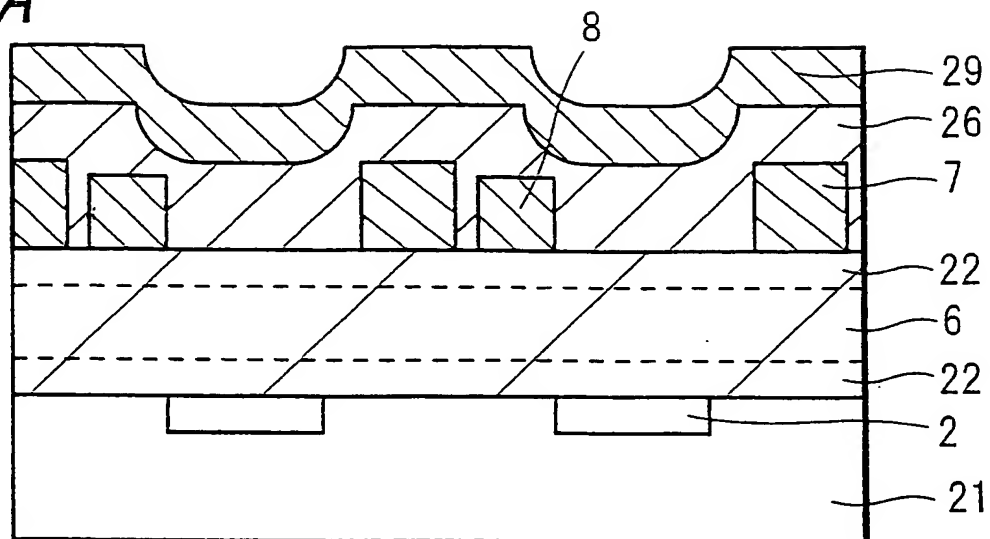


FIG. 12B

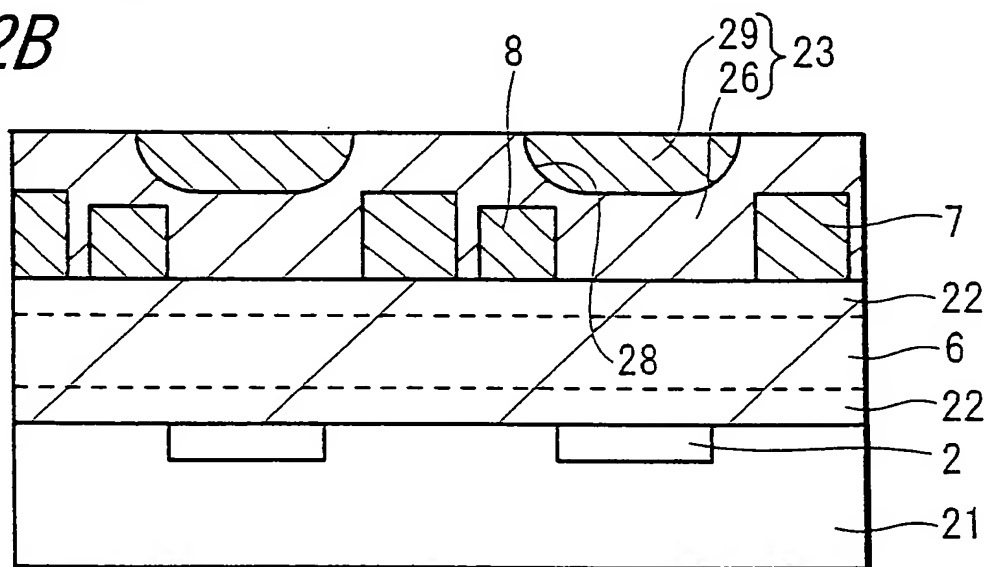


FIG. 12C

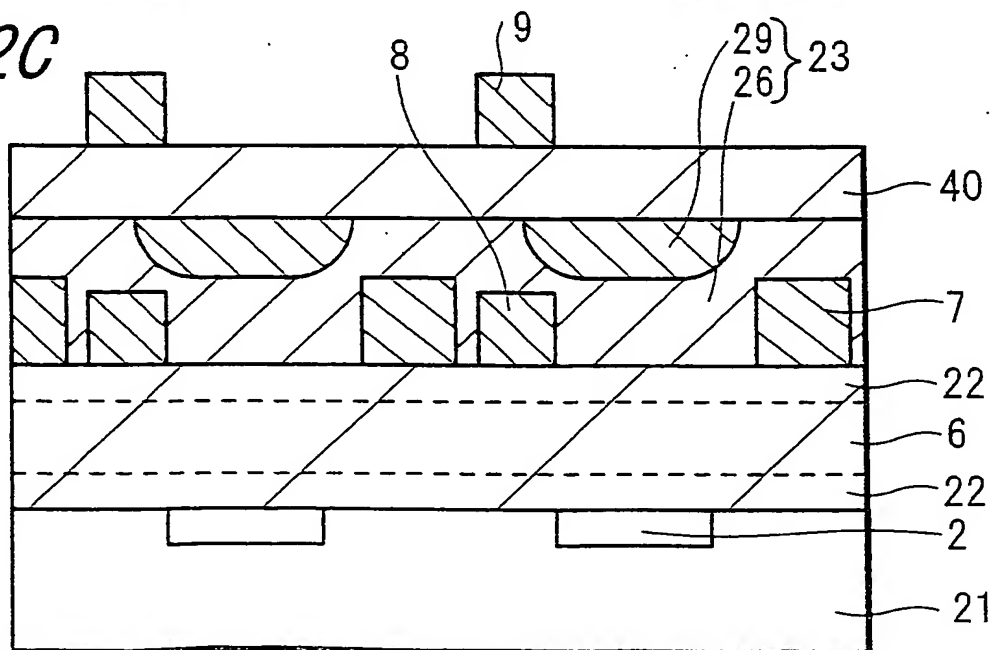


FIG. 13A

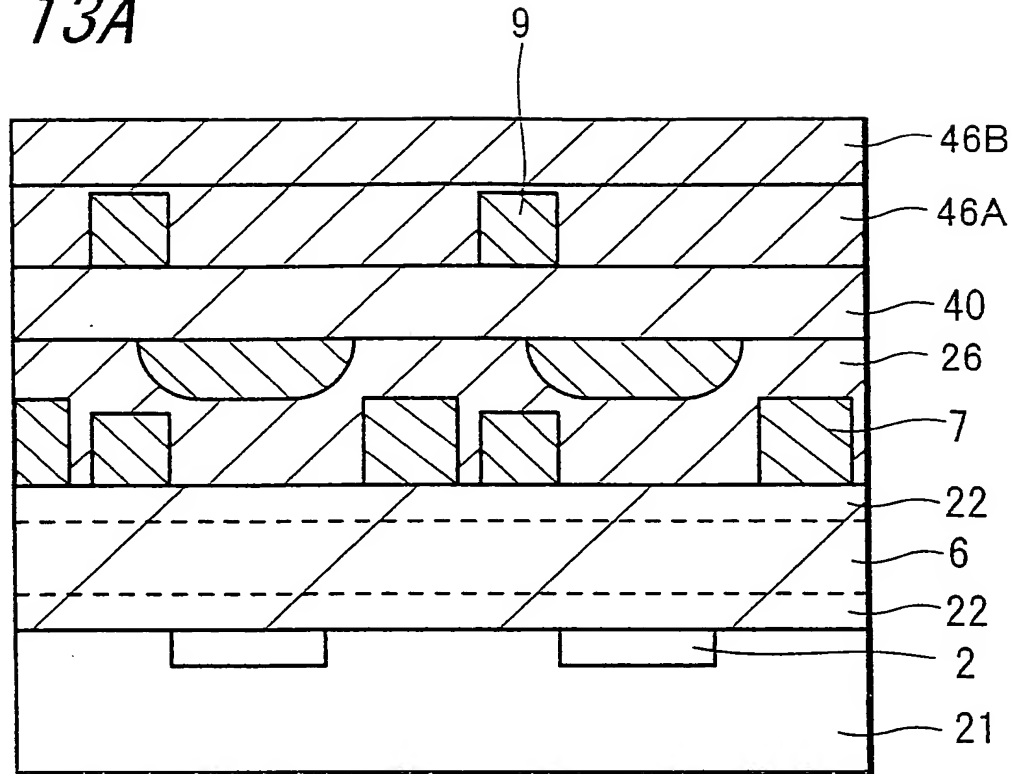


FIG. 13B

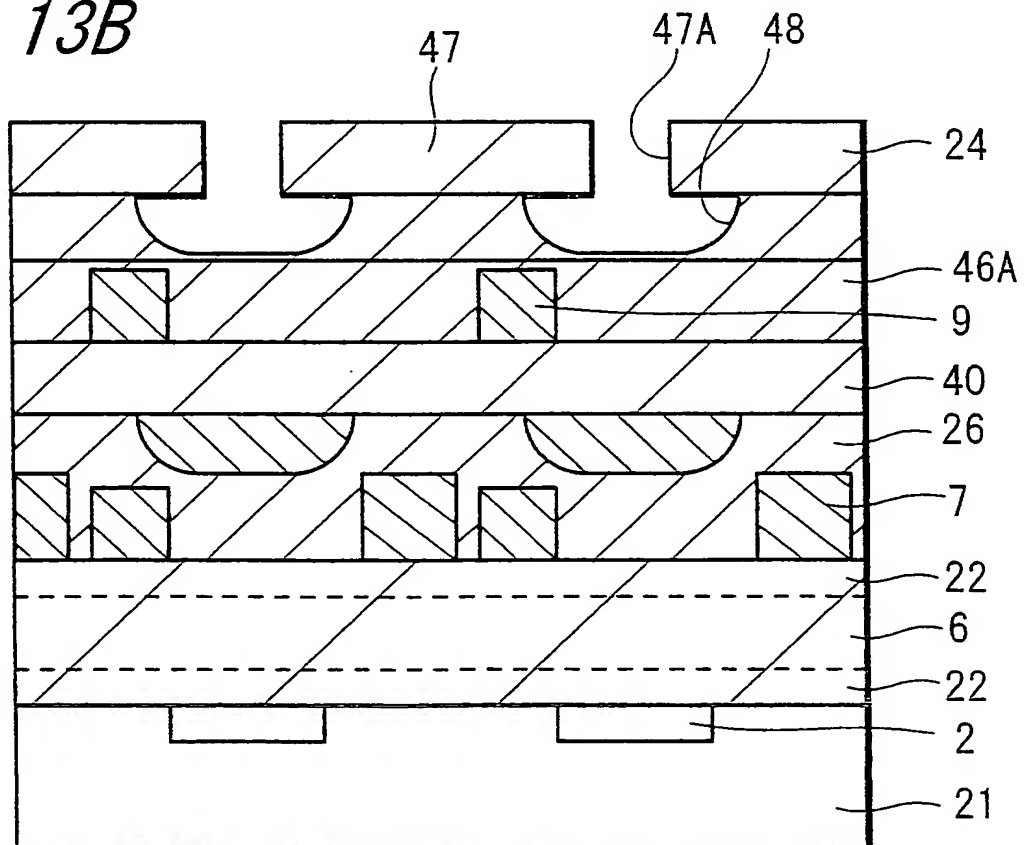


FIG. 14A

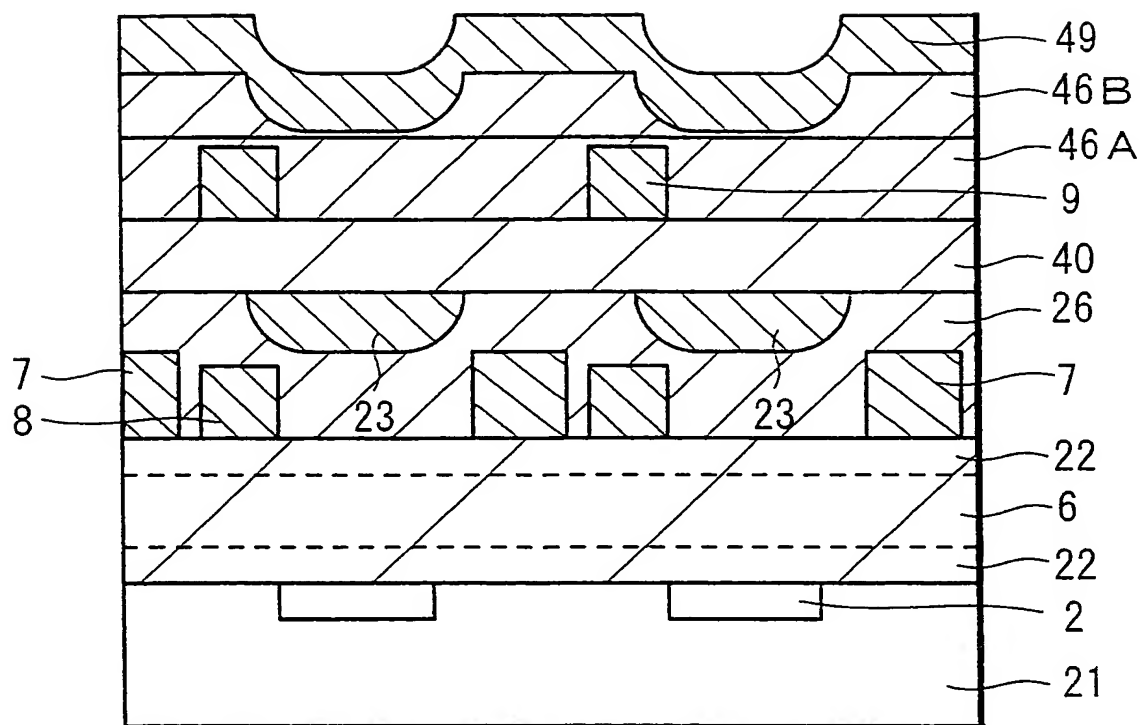
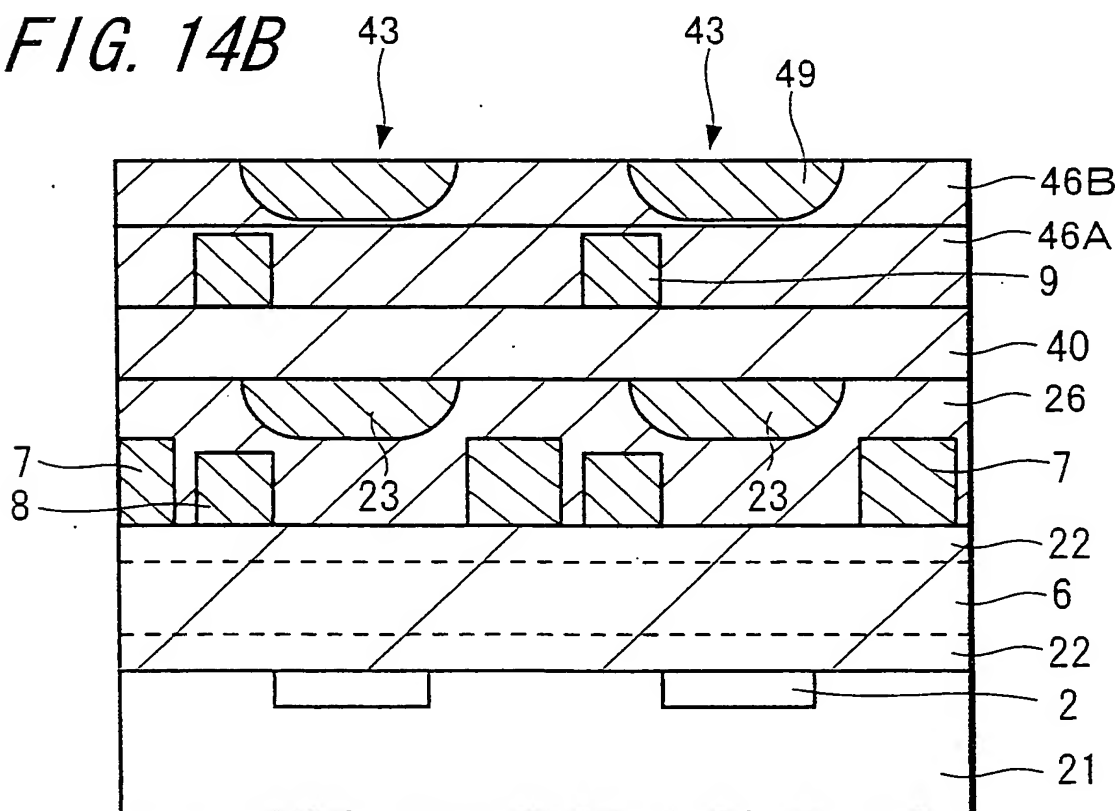
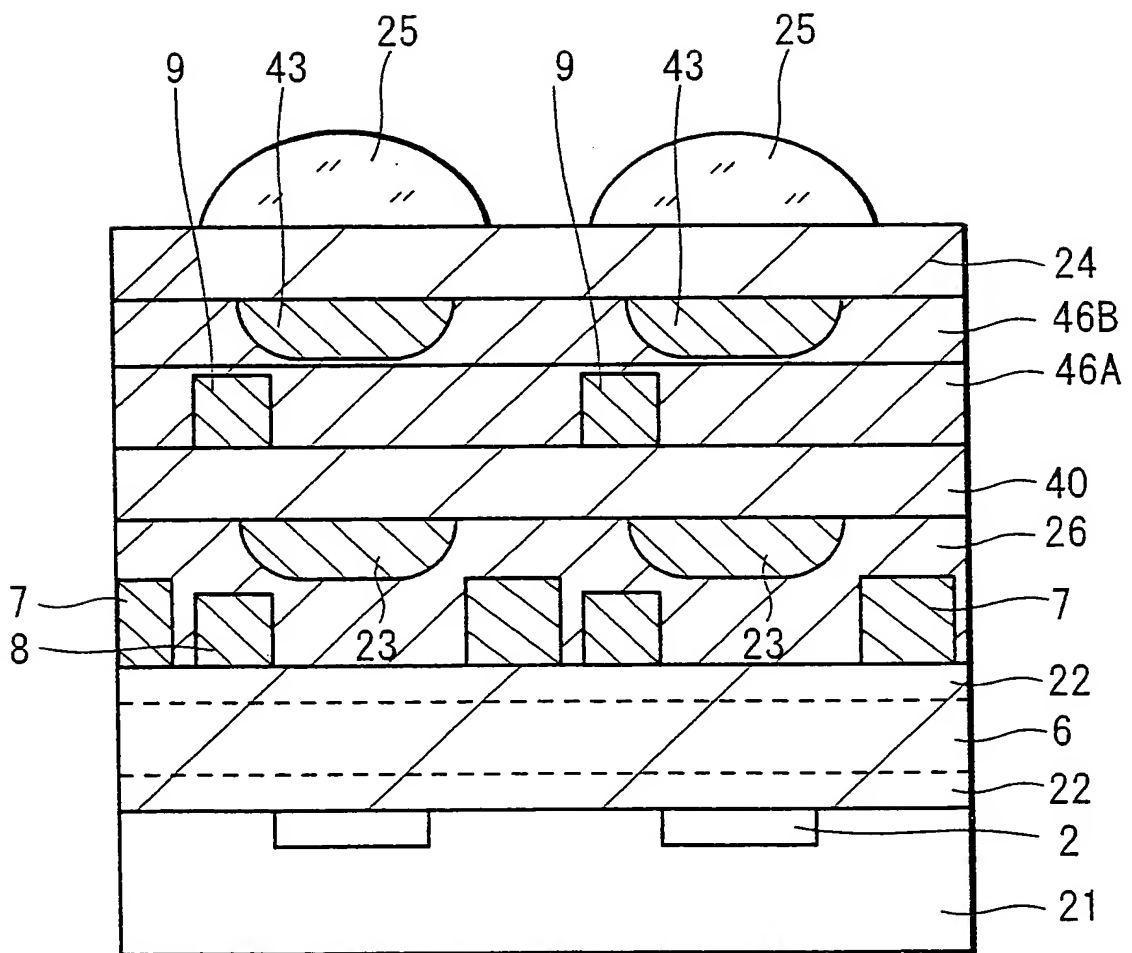


FIG. 14B



101



DESCRIPTION OF REFERENCE NUMERALS

1	.....	SOLID-STATE IMAGING DEVICE
2	.....	LIGHT RECEIVING PORTION
3	.....	VERTICAL SELECTION SWITCH ELEMENT
4	.....	READOUT SWITCH ELEMENT
5	.....	UNIT PIXEL
6	.....	VERTICAL SELECTION LINE
7	.....	READOUT PULSE LINE
8	.....	VERTICAL SIGNAL LINE
9	.....	WIRING
11	.....	SEMICONDUCTOR REGION
12	.....	GATE ELECTRODE
14	.....	GATE ELECTRODE
15	.....	ONE REGION
16	.....	THE OTHER REGION
21	.....	SEMICONDUCTOR ELECTRODE
22	.....	INTRA-LAYER INSULATION LAYER
23	.....	INTRA-LAYER CONDENSING LENS
24	.....	COLOR FILTER
25	.....	ON-CHIP MICRO LENS
26	.....	FIRST INSULATION LAYER
27	.....	RESIST MASK
27A	.....	OPENING
28	.....	CONCAVE PORTION
29	.....	SECOND INSULATION LAYER

40	.....	INTRA-LAYER INSULATION LAYER
43	.....	INTRA-LAYER CONDENSING LENS
46A	.....	INSULATION LAYER
46B	.....	THIRD INSULATION LAYER
47	.....	RESIST MASK
47A	.....	OPENING
100	.....	SOLID-STATE IMAGING DEVICE
101	.....	SOLID-STATE IMAGING DEVICE
231	.....	INTRA-LAYER CONDENSING LENS
261	.....	FIRST PLANARIZING FILM
271	.....	REFLOW FILM
291	.....	FIRST INSULATION LAYER
291A	.....	CONVEX PORTION
301	.....	SECOND INSULATION LAYER
302	.....	SECOND PLANARIZING FILM